

**ABSTRACT**

This invention relates to a diagnostic methods of  
5 identifying an individual at an increased risk of breast  
carcinoma associated with a polymorphism in an MHC gene, by  
determining the genotypes of an individual and identifying  
polymorphisms associated with the predisposition or  
susceptibility to breast carcinoma. Also provided is a  
10 method of managing and treating patients with an increased  
risk or predisposition to breast carcinoma. The invention  
also provides to screening assays, and prophylactic and  
therapeutic methods discovered using such screening assays.

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